

**Commonwealth of Kentucky  
Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Carolina Alonso

GENERAL INFORMATION:

Name:	E.I. Dupont De Nemours
Address:	HC 66 400 Harris Road, Wurtland, KENTUCKY
Date application received:	February 4, 2004
SIC/Source description:	2819, Sulfuric Acid-Inorganic Chemical Manufacture
Source ID #:	21-089-00001
Source A.I. #:	1589
Activity #:	APE20040001
Permit number:	V-06-026

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

**EMISSIONS SUMMARY:**

Pollutant	Actual* (tpy)	Potential (tpy)
PM/PM <sub>10</sub>	19.73	733.12
SO <sub>2</sub>	2267.96	3484.40
NO <sub>x</sub>	4.00	32.22
CO	0.29	20.08
VOC	0.016	1.26
Single HAPs - HCl	1.32	3.42
Source wide HAPs	1.32	3.42

\* Actual Emissions from Emission Inventory Survey 2005 (TEMPO database).

**SOURCE DESCRIPTION:**

E.I. DuPont De Nemours and Company (Dupont) located in Wurtland, Kentucky, produces sulfuric acid. The source is a major source, as defined by 401 KAR 52:020 Title V Permits, for the potential emissions of over 100 tons per year of sulfur dioxide (SO<sub>2</sub>), and particulate matter less than 10 microns (PM<sub>10</sub>) which includes emissions of sulfuric acid mist. The source is also a major source as defined in 401 KAR 51:001 for Prevention of Significant Deterioration of the Air Quality (PSD), however permit V-06-026 is not subject to PSD review.

**EMISSIONS AND OPERATING CAPS DESCRIPTIONS:**

The source has a historical limit of 260,000 tons per year of sulfuric acid produced by the sulfuric acid plant.

**OPERATIONAL FLEXIBILITY:**

None